

# CLAIMS

1. A method of producing hologram-secured documents, characterized in that it consists, on the one hand, in serially recording (7) on a tape of photosensitive film (5) a succession of volume holograms each relating respectively to one or more items of information of a corresponding document to be made secure, each of these holograms being accompanied by an identification and positioning code printed on the same film, in developing (7) and in fixing (10) the holograms thus recorded, and on the other hand in printing at the same time (50) the identity documents with their individual identification codes which are the same as those of the respective corresponding holograms, in adding an adhesive to the holograms after their fixing, and in adhesively bonding together each hologram and the corresponding document after verifying that their respective identification codes match.

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2. The method as claimed in claim 1, characterized in that each document furnished with its hologram is covered with a protection.

25 3. The method as claimed in claim 1, characterized in that the protection cannot be removed without destroying one of the parts of the document.

30 4. The method as claimed in one of the preceding claims, characterized in that after fixing the holographic information recorded in the photosensitive film, a colorant film (18) is added thereto.

35 5. The method as claimed in one of the preceding claims, characterized in that each of the holograms comprises at least one of the following elements: a photograph identical to that printed on the document, a name, a number, another photograph, a code.

6. A machine for producing hologram-secured documents, characterized in that it comprises a holographic recording and identification code printing station (7), a hologram development station (10), a station (14) for adding colorant film, a fixing station (24, 26), a station (31, 32, 38) for adding adhesive, a station for cutting out the holograms (45), a roll for taking up the cutout remains (47) and a station for completing production of secure documents (48A to 48G or 49 to 58).

7. The machine as claimed in claim 6, characterized in that the station for completing production of documents is placed after the station for cutting out the holograms and comprises a station for printing documents (50) and a station for bonding the holograms to the documents (49).

8. The machine as claimed in claim 6, characterized in that the station for completing production of documents comprises, after the station for cutting out the holograms, means of bonding (48A, 48B) of a protective film (48C), and means of storage (48F), and a station (48G) for printing documents and for transferring holograms.

9. The machine as claimed in claims 6, 7 or 8, characterized in that it comprises a pulley block (6) upstream of the holographic recording station, a pulley block (23) upstream of the fixing station and a pulley block (41) upstream of the station for bonding the holograms to the documents.

10. The machine as claimed in one of claims 6 to 9, characterized in that it comprises a database (8) linked to the holographic recording station and to the station for printing documents.

11. The machine as claimed in one of claims 6 to 10,

characterized in that it comprises in the station for  
completing the production of documents a comparator  
linked on the one hand to means of reading codes on the  
documents and on the holograms, and on the other hand  
5 to means of signaling or of alarm.

12. The machine as claimed in one of claims 6 to 11,  
characterized in that it comprises a roll with  
adjustable position (24A) making it possible to  
10 determine the final color of each hologram.